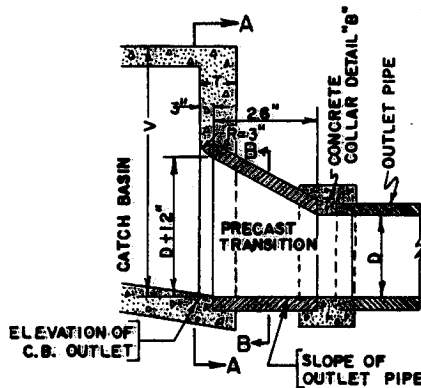
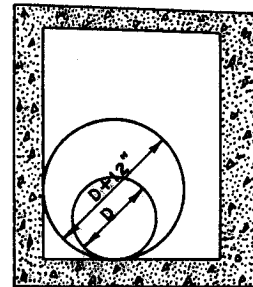


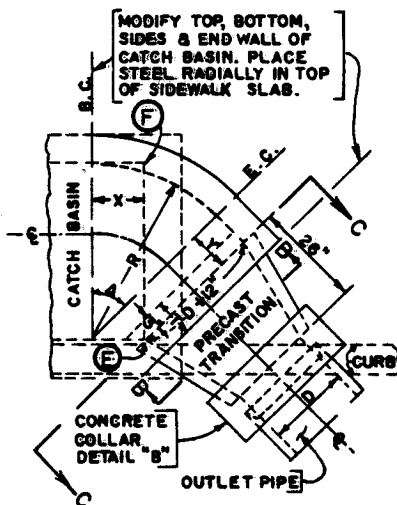
PLAN



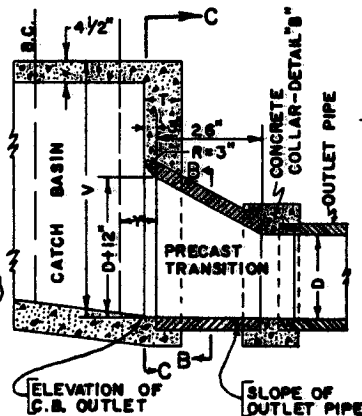
PROFILE
CASE - 1



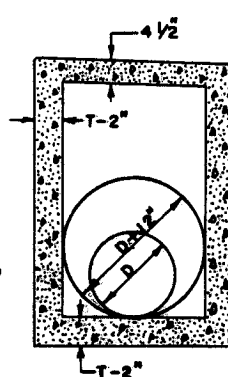
SECTION A-A



PLAN



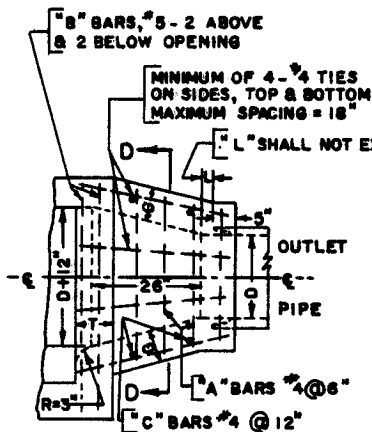
PROFILE
CASE - 2



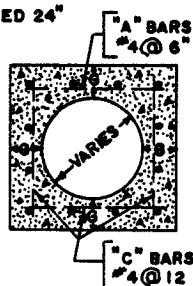
SECTION C-C

TABLE - A

D	Δ	R	X	Y
16"-18"	30°	38"	16"	13 7/8"
18"-21"	45°	38"	11 3/8"	8"
21"-24"	30°	38"	10"	8 5/8"
24"-27"	45°	38"	7 1/8"	5"
27"-30"	30°	38"	4"	3 1/2"
30"-36"	45°	38"	2 7/8"	2"
36"-42"	30°	D+12"	0"	0"
42"-48"	45°	D+12"	0"	0"



PLAN
STEEL REINFORCING



SECTION D-D

TABLE - B

D	15"	18"	21"	24"	27"	30"
Δ	7°	7°	7°	7 1/2°	8°	8°

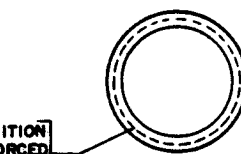
"L" SHALL NOT EXCEED 24"

MINIMUM OF 3 - #4 "A" BARS
MAXIMUM SPACING = 6"

MINIMUM OF 4 - #4 TIES
ON TOP SIDES & BOTTOM
MAXIMUM SPACING = 18"

PRECAST TRANSITION

MINIMUM OF 2 - #4 "D" BARS
MAXIMUM SPACING = 12"



SECTION B-B

DETAIL - B
SQUARE CONCRETE COLLAR

APPROVED *Robert C. Wala* DATE 7/14/78
PUBLIC WORKS DIRECTOR - R.C.E. 18793

CITY OF RIVERSIDE
PUBLIC WORKS DEPT. - ENGINEERING DIV.
CATCH BASIN OUTLET
TRANSITION STRUCTURE

STANDARD DRAWING NO.

404

Sheet 1 of 2

MARK REVISIONS APPR. DATE

NOTES FOR CATCH BASIN INLET TRANSITION STRUCTURE

- 1 - TRANSITION - May be either precast (Section B-B) or monolithic (Section D-D) at Contractor's option.
- 2 - PRECAST TRANSITION - Shall be reinforced for 1250-D for D+12 inch concrete pipe.
- 3 - CONCRETE COLLAR - (Detail "B") shall be used only to join the precast transition with the outlet pipe.
- 4 - CONCRETE - Shall be of the same class as the structure with which it is poured.
- 5 - CURVATURE - of the rounded edge of the outlet and sidewalls shall be formed by curved forms and shall not be made by plastering.
- 6 - INTERIOR SURFACE - of structure shall be smooth and clean, and free from pockets or protuberances.
- 7 - SURFACE - of all exposed concrete shall conform in slope, grade, color, finish, and scoring to existing or proposed curb and walk adjacent to the basin.
- 8 - DIMENSIONS - T, V, and steel reinforcement details are shown either on std. drawing No. 401, Sheet 2, or on the improvement plan for the catch basin.
- 9 - OUTLET PIPE - shall be trimmed to final shape and length before concrete is poured.
- 10- REINFORCING STEEL - shall be 1 1/2" clear from face of concrete unless otherwise shown.
- 11- TRANSITION STRUCTURE - (Case 2) may be constructed in any direction within the limits of table "A" as specified on the improvement plan, by rotating it about either points "E" or "F".

APPROVED <u>Robert C. Walsh</u> DATE <u>3/29/78</u> PUBLIC WORKS DIRECTOR - R.C.E. 18793				CITY OF RIVERSIDE PUBLIC WORKS DEPT. - ENGINEERING DIV. CATCH BASIN OUTLET TRANSITION STRUCTURE	
				STANDARD DRAWING NO. 404 Sheet 2 of 2	
MARK	REVISIONS	APPR.	DATE		